

PAT-NO: JP401289865A
DOCUMENT-IDENTIFIER: JP 01289865 A
TITLE: AQUEOUS FLAME-RETARDING RESIN COMPOSITION

PUBN-DATE: November 21, 1989

INVENTOR-INFORMATION:

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APPL-NO: JP63119175

APPL-DATE: May 18, 1988

INT-CL (IPC): C08L101/00 , C08K003/22

US-CL-CURRENT: 524/409

ABSTRACT:

PURPOSE: To make it possible to form an aqueous flame-retarding resin composition which is suitable for imparting flame retardancy to fiber or paper products etc. by coating, by mixing a specified aqueous resin dispersion with a chlorinated vinyl chloride resin powder and antimony trioxide in a specified mixing ratio.

CONSTITUTION: An aqueous resin dispersion comprising at least one emulsion of a copolymer of an ethylenically unsaturated monomer is mixed with 5-100pts. wt., per 100pts.wt. solid matter of the dispersion, chlorinated vinyl chloride resin powder and 1-80pts.wt. antimony trioxide. As the aqueous resin dispersion, a (co)polymer emulsion obtained by emulsion-polymerizing an ethylenically unsaturated monomer in the presence of a surfactant and/or a protective colloid in an aqueous medium, or a blend of a plurality of

(co)polymer emulsions can be used, and, for example, the so-called acrylic resin aqueous dispersion can be suitably used.

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